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Attorney Docket No.: 60-93E

Application No. : 10/762,914
Applicant: : Haces
Filed: : January 21, 2004
For: : Highly-Packed Polycationic Ammonium, Sulfonium and
Phosphonium Lipids

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/762,914
Confirmation No. : 6157
Applicant: : Alberto Haces
Filed: : January 21, 2004
Group Art Unit : 1624
Examiner: : Not assigned
Title: : Highly-Packed Polycationic Ammonium, Sulfonium and
Phosphonium Lipids
Docket No. : 60-93E
Customer No. : 23713

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Examiner is respectfully requested to consider the Information Disclosure Statement submitted by Applicants in U.S. Serial No. 10/131,539, filed April 23, 2002, from which the above-referenced application takes priority under 35 U.S.C. §1.20. Further, Applicants respectfully direct the Examiner's attention to any other items cited by the Examiner during the prosecution of patent application serial number 10/131,539. It is believed unnecessary under 37 CFR 1.98(d) to submit copies of these previously submitted or cited items which are listed on the enclosed Form 1449. Copies of newly-cited references listed on the Form 1449 are enclosed.

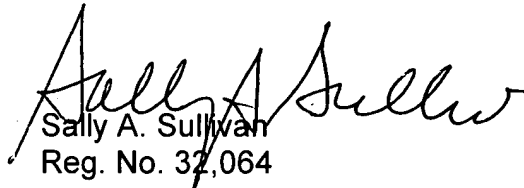
Where the month of a reference is not listed, the year of publication is sufficiently earlier than the effective U.S. filing date so that the particular month of publication is not an issue.

References known to the applicants have been listed on PTO-1449. That information is cited in a spirit of forthrightness and cooperation to enable the applicants to obtain that measure of protection for the invention to which there is entitlement. However, no representation is made that the listed art actually qualifies as prior art under the patent statute and the mere use of PTO-1449 is not an admission that all

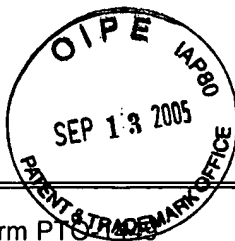
listed references are prior art. No representation is made that applicants know of the best art.

It is believed no fee is required for this submission. If this is incorrect, please deduct the appropriate fee from deposit account 07-1969.

Respectfully submitted,


Sally A. Sullivan
Reg. No. 32,064

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Attorney Docket No. 60-93E
Date: September 13, 2005



Form PTO-102		
ATTY DOCKET NO. 60-93E	SERIAL NO. 10/762,914	FILING DATE January 21, 2004
APPLICANT Haces		GROUP 1624

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	5,866,613	03/14/00	Bergeron	514	674	
	5,861,397	01/19/99	Wheeler	514	247	
	5,837,092	11/17/98	Grieves et al.	156	314	
	5,834,439	11/10/98	Haces et al.	514	42	
	5,744,335	04/28/98	Wolff et al.	435	172.3	
	5,736,392	04/07/98	Hawley-Nelson et al.	435	320.1	
	5,674,908	10/07/97	Haces et al.	514	642	
	5,635,487	06/03/97	Wolff et al.	514	44	
	5,498,522	03/12/96	Porter	435	6	
	5,334,761	08/02/94	Gebeyehu et al.	564	197	
	5,264,618	11/23/93	Felgner et al.	560	224	
	5,208,036	05/04/93	Eppstein et al.	424	450	
	5,171,678	12/15/92	Behr et al.	435	172.3	
	5,091,576	02/25/92	Bergeron	564	367	
	5,049,386	09/17/91	Eppstein et al.	424	427	
	4,967,008	10/30/90	Friedl et al.	564	512	
	4,946,787	08/07/90	Eppstein et al.	435	240.2	
	4,897,355	01/30/90	Eppstein et al.	435	240.2	
	4,143,003	03/06/79	Haas, et al.	521	129	
	3,369,905	02/20/68	Jones, et al.	96	107	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Form PTO-1449		
ATTY DOCKET NO. 60-93E	SERIAL NO. 10/762,914	FILING DATE January 21, 2004
APPLICANT Haces		GROUP 1624

		3,324,182	06/06/67	DeBrunner et al.	564	512	
		2,867,665	01/06/59	Dornfeld			
		2,654,785	10/06/53	Miescher et al.	564	295	

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		Document Number	Date	Country	Class	Subclass	Translation Yes/No
		WO94/05624	03/17/94	PCT			
		WO93/19768	10/14/93	PCT			
		WO91/16024	31/10/91	PCT			
		WO91/15501	17/10/91	PCT			
		WO91/08191	06/13/91	PCT			
		WO91/04668	04/18/91	PCT			
		892,413	03/62	GB			
		394,111	10/24/90	EP			
		187,702	07/16/86	EP			
		290,877	06/13/91	DD			
		158,967	07/52	AU			
		WO98/14439	4/1998	PCT			
		WO98/14439	5/1998	PCT			

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

		Albarella et al. (1989), <i>Chemical Abstracts</i> , 111: 130176
		Barthel et al. (1993), "Gene Transfer Optimization with Lipospermine-Coated DNA," <i>DNA and Cell Biology</i> , 12(6):553-560

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Form PTO-1449		
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APPLICANT Haces		GROUP 1624

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		Felgner et al. (1987), "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure," <i>Proc. Natl. Acad. Sci. USA</i> , 84 :7413-7417
		Garrigues et al. (1989), <i>Chemical Abstracts</i> , 111 : 23282
		Hetschko, M. and Gosselck, J. (1972), "Reaktionen von Sulfoniumsalzen DES 1,3-Dithiolans and Seiner 2,2-Substitutionsprodukte," <i>Tetrahedron Let.</i> 17 :1691-1692
		Knodis et al. (1994), A New Reactions of 1,1-Diamines, @ <i>Chemical Abstracts</i> , 120 (Abstract 270276)
		Loeffler, J.P. and Behr, J.P. (1993), "Gene Transfer into Primary and Established Mammalian Cell Lines with Lipopolyamine-Coated DNA," <i>Methods in Enzymology</i> , 217 :599-618
		Matsuzaki et al. (1992), <i>Chemical Abstracts</i> , 117 : 86723
		Weinstock et al. (1981), "Synthesis of new polyamine derivatives for cancer Chemotherapeutic studies," <i>J. of Pharm. Sci.</i> 70 (8):956-959
		Zhou et al. (1991), "Lipophilic Polylysines Mediate Efficient DNA Transfection in Mammalian Cells," <i>Biochimica et Biophysica Acta</i> , 1065 :8-14

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APPLICANT Haces		GROUP 1624

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,387,395	05/14/02	Eppstein et al.	424	450	
	6,376,248	04/23/02	Hawley-Nelson	435	458	
	6,214,804	04/10/01	Felgner	514	44	
	6,075,012	06/13/00	Gebeyehu et al.	514	44	
	6,051,429	04/18/00	Hawley-Nelson	435	458	
	6,020,202	02/01/00	Jessee	435	458	
	5,948,925	09/07/99	Keynes et al.	552	540	
	5,948,767	09/07/99	Scheule et al.	514	44	
	5,935,936	08/10/99	Fasbender et al.	514	44	
	5,908,635	06/01/99	Thierry, A.	424	450	
	5,906,922	05/25/99	Whittaker et al.	435	69.1	
	5,869,606	02/09/99	Whittaker	530	345	
	5,854,224	12/29/98	Lockett et al.	514	44	
	5,840,710	11/24/98	Lee et al.	514	44	
	5,830,878	11/03/98	Gorman et al.	514	44	
	5,830,430	11/03/98	Unger et al.	424	1.21	
	5,827,703	10/27/98	Debs et al.	435	172.3	
	5,795,587	08/18/98	Gao et al.	424	450	
	5,785,992	07/28/98	Ansell et al.	424	450	
	5,783,565	07/21/98	Lee et al.	514	44	
	5,780,053	07/14/98	Ashley et al.	424	450	
	5,753,613	05/19/98	Ansell et al.	514	2	
	5,744,335	04/28/98	Wolff et al.	435	172.3	
	5,719,131	02/17/98	Harris et al.	514	44	
	5,703,055	12/30/97	Felgner et al.	514	44	
	5,650,096	07/22/97	Harris et al.	252	357	
	5,627,159	05/06/97	Shih et al.	514	44	
	5,595,897	01/21/97	Midoux et al.	435	172.3	
	5,589,466	12/31/96	Felgner et al.	514	44	
	5,583,198	12/10/96	Whittaker	530	345	
	5,578,475	11/26/96	Jessee	435	172.3	
	5,550,289	08/27/96	Eppstein et al.	564	293	
	5,545,412	08/13/96	Eppstein et al.	424	450	
	5,459,127	10/17/95	Felgner et al.	514	7	
	5,455,335	10/03/95	Kahne et al.	536	5	
	5,283,185	02/01/94	Epand et al.	435	172.3	
	5,279,833	01/18/94	Rose	424	450	

EXAMINER

DATE CONSIDERED

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Form PTO-1449		
ATTY DOCKET NO. 60-93D	SERIAL NO. 10/131,539	FILING DATE April 23, 2002
APPLICANT Haces		GROUP 1624

	4,235,871	11/25/80	Papahadjopoulos	424	19	
	3,152,188	10/06/64	Kirkpatrick et al.	250	584	
	2,901,461	08/25/59	Auerbach et al.	260	47	
	20030069173	04/10/03	Hawley-Nelson	514	8	
	20020086849	07/04/02	Gebeyehu et al.	514	44	
	200220077305	06/20/02	Jessee et al.	514	44	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	WO 02/34879	05/02/02	PCT	C12N		
	WO 00/58488	10/05/00	PCT	C12N 15/87		
	WO 00/27795	05/18/00	PCT	C07C 211/64		
	WO 99/29712	06/17/99	PCT	C07K 5/02		
	WO 99/02190	01/21/99	PCT	A61K 48/00		
	WO 98/40502	09/17/98	PCT	C12N 15/64		
	WO 98/29541	07/09/98	PCT	C12N 15/00		
	WO 98/02190	01/22/98	PCT	A61K 47/48		
	WO 97/42819	11/20/97	PCT	A01N 37/18		
	WO 96/40961	12/19/96	PCT	C12N 15/88		
	WO 95/02698	12/08/94	PCT	A01N 25/26		
	WO 94/27435	12/08/94	PCT	A01N 25/26		
	WO 91/17424	11/14/91	PCT	G01N 21/00		
	WO 90/11092	10/04/90	PCT	A61K 48/00		
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		Bottger, M. et al. (1988), "Condensation of vector DNA by the chromosomal protein HMG1 results in efficient transfection," Biochim. Biophys. Acta 950:221-228
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		Henkel und Cie. G.m.b.H. (April 1970), abstract no. 68522p, "Low-foaming detergents containing bisquaternary compounds," Chem. Abst. 72(14):116

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Form PTO-1449		
ATTY DOCKET NO. 60-93D	SERIAL NO. 10/131,539	FILING DATE April 23, 2002
APPLICANT Haces		GROUP 1624

		Kaneda, Y. et al. (1989), "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243 :375-378
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		Neckers, L.M. (May 1993), "Cellular Internalization of Oligodeoxynucleotides," in Antisense Research and Applications, Crooke, S.T. and Leblue, B., eds., CRC Press, LLC, Boca Raton, FL, pp. 451-460
		Rothenberg, M. et al. (1989), "Oligodeoxynucleotides as Anti-Sense Inhibitors of Gene Expression: Therapeutic Implications," J. Natl. Can. Inst. 81 :1539-1544
		van der Krol, A.R. et al. (1988), "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences," Biotechniques 6 :958-976
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